

ENVIRON

170035

K. 7

4/22/99

April 22, 1999

Mr. Michael McAteer
United States Environmental Protection Agency
Region V, HSR-6J
77 West Jackson Blvd.
Chicago, IL 60604

Subject: Exit Soil Sample Results from the Southern Pad Area
Enviro-Chem Site, Zionsville, Indiana

Dear Mr. McAteer:

This letter presents the results of the exit soil samples collected from the floor and side walls of the excavation of the Southern Concrete Pad Area at the Enviro-Chem Site (ECC) in Zionsville, Indiana. This area was excavated during the summer of 1998 as part of the remedy outlined in the Revised Exhibit A to the Consent Decree (Revised Exhibit A), dated May 7, 1997. According to Section 2.1.1 of Revised Exhibit A, the results of the exit soil samples will "affect whether and the extent to which a RCRA-Compliant (Subtitle C) cover may be required over some or all of the backfilled area".

Between July 14, 1998 and August 18, 1998, exit soil samples were collected from 30 locations from within the Southern Pad Area excavation. Each sample location was chosen by United States Environmental Protection Agency (USEPA) representatives and co-located samples were collected by both the USEPA representative and the ECC Trustees' representatives. ENVIRON International Corporation (ENVIRON) and Radian International Corporation (Radian) collected the exit samples on behalf of the ECC Trustees. Both sets of co-located samples were collected using the same sampling techniques and in accordance with the Quality Assurance Project Plan (QAPP).

Reference points were placed around the excavation area and were surveyed by Schneider Corporation of Indianapolis, Indiana. Each exit sample location was then located by measuring its position from the surveyed reference points. Coordinates for each exit sample location were then calculated using the measurement and survey data. The sample locations, coordinates, location names, sample identification numbers, and collection dates are summarized in Table 1. Figure 1 shows the sample locations as well as the surveyed reference points.

Each sample was analyzed for volatile organic compounds (VOCs) and semivolatile organic compounds (SVOCs) using USEPA's *Test Methods for Evaluating Solid Waste - Physical/Chemical Methods, SW-846* Methods 8260A and 8270B, respectively. The sample analyses were performed by Southern Petroleum Laboratory, Incorporated of Lafayette Louisiana. The soil sample analytical results were compared to the Acceptable Soil Criteria obtained from Table 3-1 of the Revised Exhibit A. For informational purposes only, the analytical results were also compared to the Indiana Department of Environmental Management's (IDEM's) Interim Draft Risk-Integrated System of Closure (RISC) Tier 1 Commercial/Industrial Default Closure Levels. The comparison to the RISC Tier 1 Default Closure Levels was done

since the Resource Conservation and Recovery Act (RCRA) Clean Closure Criteria have not yet been established for the Site. The Default Closure Levels were obtained from the Interim Draft (Revision 1) RISC *Technical Resource Guidance Document*, dated February 18, 1999. The Acceptable Soil Criteria and the RISC Tier 1 Commercial/Industrial Default Closure Levels provided by IDEM are both presented in Table 2. The analytical results for the soil samples are compared to the Acceptable Soil Criteria in Table 3. The analytical results for the soil samples are compared to the RISC Tier 1 Commercial/Industrial Default Closure Levels in Table 4. The complete set of analytical results is summarized in Attachment 1.

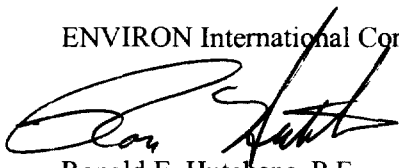
Half of the 30 sampling locations contained no compounds at concentrations of above the Acceptable Soil Criteria. Nineteen of the 30 sampling locations contained no compounds at concentrations of above IDEM's RISC Tier 1 Commercial/Industrial Default Closure Levels. Figure 2 shows those locations that contained compounds at concentrations above the Acceptable Soil Criteria. Figure 3 shows those locations that contained compounds at concentrations above the IDEM RISC Tier 1 Commercial/Industrial Default Closure Levels.

The Enviro-Chem Trustees are currently preparing a proposed work plan to address the above areas as well as the "Hot Spot" areas to the south of the excavation area of the south concrete pad.

If you have any questions about this letter or any other aspects of the project, please do not hesitate to contact us.

Sincerely,

ENVIRON International Corporation



Ronald E. Hutchens, P.E.
Principal

REH:als

D:\Client Project Files\ECC\Word Files\South Pad Report.doc

cc: Dr. Roy O. Ball – ENVIRON International Corp.
Mr. Norman W. Bernstein – N.W. Bernstein & Associates
Mr. Mark Dowiak – Radian International Corp.
Mr. Myron Waters – IDEM
Mr. Tim Harrison – CH2M Hill
Mr. George Anastos – Versar, Inc.

TABLES

TABLE 1

**SAMPLE INFORMATION SUMMARY
SOUTHERN PAD AREA
ENVIRO-CHEM SITE
ZIONSVILLE, INDIANA**

Sample Location Name	Sample ID	Date Sampled	Sample Location	Coordinates	
				Northing	Easting
SB01	980625-S01	6/25/98	Sidewall	921750	725778
SB02	980625-S02	6/25/98	Sidewall	921750	725773
SB03	980625-S03	6/25/98	Sidewall	921721	725789
SB04	980625-S04	6/25/98	Sidewall	921677	725780
SB05	980625-S05	6/25/98	Bottom	921747	725793
SB06	980625-S06	6/25/98	Bottom	921690	725800
SB07	980627-S07	6/27/98	Bottom	921748	725824
SB08	980627-S08	6/27/98	Bottom	921693	725833
SB09	980627-S09	6/27/98	Bottom ¹	921644	725777
SB10	980629-S10	6/29/98	Bottom	921774	725853
SB11	980629-S11	6/29/98	Bottom	921756	725877
SB12	980629-S12	6/29/98	Bottom	921724	725869
SB13	980709-S13	7/9/98	Sidewall	921629	725821
SB14	980709-S14	7/9/98	Sidewall	921613	725832
SB15	980709-S15	7/9/98	Sidewall	921604	725859
SB16	980709-S16	7/9/98	Bottom	921629	725833
SB17	980709-S17	7/9/98	Bottom	921612	725860
SB18	980709-S18	7/9/98	Bottom	921684	725850
SB19	980709-S19	7/9/98	Bottom	921660	725868
SB20	980709-S20	7/9/98	Bottom	921622	725879
SB21	980715-S21	7/15/98	Sidewall	921604	725899
SB22	980715-S22	7/15/98	Bottom	921619	725908
SB23	980715-S23	7/15/98	Bottom	921647	725893
SB24	980715-S24	7/15/98	Bottom	921678	725900
SB25	980729-S25	7/29/98	Sidewall	921615	725929
SB26	980729-S26	7/29/98	Sidewall	921675	725947
SB27	980729-S27	7/29/98	Bottom	921646	725911
SB28	980729-S28	7/29/98	Bottom	921619	725921
SB29	980729-S29	7/29/98	Sidewall	921740	725938
SB30	980729-S30	7/29/98	Bottom	921750	725928

Note:

¹ Sample collected from bottom of excavation of culvert pipe removal.

TABLE 2
SOIL CLEANUP CRITERIA
ENVIRO-CHEM SITE
ZIONSVILLE, INDIANA

Parameter	Acceptable Soil Concentrations ¹ µg/kg	IDEM's RISC Tier 1 Commercial/Industrial Closure Levels ² µg/kg
Volatile Organic Compounds		
Acetone	2,196	41,000
1,1-Dichloroethene	762	58
1,2-Dichloroethene (Total) ³	5,782	5,800
Ethyl benzene	207,464	200,000
Methylene chloride	126	1,800
Methyl ethyl ketone	352	260,000
Methyl isobutyl ketone	18,200	To Be Determined by IDEM
Tetrachloroethene	77	640
Toluene	546,134	240,000
1,1,1-Trichloroethane	47,871	89,000
1,1,2-Trichloroethane	71	300
Trichloroethene	812	3,000
Vinyl chloride	8.3	13
Xylenes (total)	5,596,192	410,000
Semivolatile Organic Compounds		
1,2-Dichlorobenzene	370,160	260,000
Phenol	51,680	320,000

Notes:

¹ From Table 3.1 of the Revised Exhibit A of the Enviro-Chem Consent Decree, dated May 7, 1997.

² Based on IDEM's Interim RISC Tier 1 Default Closure Table - Residential obtained from the *RISC Technical Resource Guidance Document*, Interim Draft (Revision 1), dated February 18, 1999.

³ No RISC Tier 1 Closure Level has been established for total 1,2-dichloroethene. The value shown is for the cis-1,2-dichloroethene, the more stringent standard of the cis- and trans-1,2-dichloroethene isomers.

Key:

IDEM = Indiana Department of Environmental Management.

RISC = Risk Integrated System of Closure.

TABLE 3

ANALYTICAL RESULTS AS COMPARED TO THE ACCEPTABLE SOIL CONCENTRATIONS¹
SOUTHERN PAD AREA
ENVIRO-CHEM SITE
ZIONSVILLE, INDIANA
[Page 1 of 2]

Location		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15
Units		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
Volatile Organic Compounds																
Acetone	[2,196]	ND	120	ND	ND	ND	ND	ND	ND	ND	27	43	29	ND	ND	ND
1,1-Dichloroethene	[762]	ND	ND	ND	ND	790	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,700
1,2-Dichloroethene (Total)	[5,782]	6,200	22	14,000	1,800	6,900	1,400	ND	ND	ND	ND	ND	ND	58	21,000	44,000
Ethylbenzene	[207,464]	1,400	26	ND	ND	510	ND	ND	ND	ND	ND	ND	ND	ND	340	6,600
Methylene chloride	[126]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	720
Methyl ethyl ketone	[352]	2,700	28	2,500	2,600	3,100	2,600	ND	2,900	1,900	ND	ND	ND	ND	2,700	3,100
Methyl isobutyl ketone	[18,200]	ND	ND	ND	ND	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	[77]	ND	ND	ND	ND	2,700	ND	ND	ND	ND	ND	ND	ND	ND	ND	110,000
Toluene	[546,134]	730	10	ND	ND	24,000	ND	ND	ND	ND	ND	ND	ND	ND	2,700	19,000
1,1,1-Trichloroethane	[47,871]	3,100	ND	2,600	ND	43,000	ND	ND	ND	34,000	ND	ND	ND	16	530	580,000
1,1,2-Trichloroethane	[71]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	[812]	ND	ND	ND	ND	170,000	2,000	ND	830	ND	ND	ND	ND	8	ND	53,000
Vinyl chloride	[8.3]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (total)	[5,596,192]	5,100	66	ND	ND	1,100	ND	ND	ND	ND	ND	ND	ND	ND	1,400	32,000
Semivolatile Organic Compounds																
1,2-Dichlorobenzene	[370,160]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	6,500
Phenol	[51,680]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND

Note:

¹ Concentrations in **bold** exceed the Acceptable Soil Concentrations as shown on Table 3-1 of the Revised Exhibit A.

Key:

[2,196] = Acceptable Soil Concentrations from Table 3-1 of the Revised Exhibit A.

ND = Not detected.

-- = Not analyzed due to insufficient sample volume.

TABLE 3

ANALYTICAL RESULTS AS COMPARED TO THE ACCEPTABLE SOIL CONCENTRATIONS¹
SOUTHERN PAD AREA
ENVIRO-CHEM SITE
ZIONSVILLE, INDIANA
[Page 2 of 2]

Location		S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
Units		µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Volatile Organic Compounds																
Acetone	[2,196]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,900	ND
1,1-Dichloroethene	[762]	910	1,400	ND	ND	ND	ND	ND	ND	ND	19	ND	ND	ND	52	ND
1,2-Dichloroethene (Total)	[5,782]	7,400	12,000	ND	10	10	ND	ND	ND	ND	1,000	24	24	8	2,200	ND
Ethylbenzene	[207,464]	ND	2,600	ND	ND	ND	ND	ND	ND	ND	62	7	ND	ND	370	ND
Methylene chloride	[126]	ND	1,700	ND	ND	ND	ND	3,800	ND	ND	75	ND	15	ND	3,700	ND
Methyl ethyl ketone	[352]	2,900	3,100	ND	ND	ND	ND	2,500	ND	ND	ND	ND	ND	ND	1,000	ND
Methyl isobutyl ketone	[18,200]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7	280	ND
Tetrachloroethene	[77]	3,400	27,000	ND	ND	ND	6	ND	ND	ND	ND	ND	7	10	3,100	ND
Toluene	[546,134]	1,800	8,500	ND	11	7	7	ND	ND	ND	790	16	ND	ND	250	ND
1,1,1-Trichloroethane	[47,871]	70,000	ND	ND	8	78	ND	ND	ND	ND	19	ND	31	6	2,600	ND
1,1,2-Trichloroethane	[71]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	98	ND
Trichloroethene	[812]	42,000	63,000	ND	ND	12	ND	ND	ND	ND	ND	ND	42	7	6,800	ND
Vinyl chloride	[8.3]	ND	ND	ND	ND	ND	ND	ND	ND	ND	70	ND	43	ND	ND	ND
Xylenes (total)	[5,596,192]	1,500	12,000	ND	ND	ND	ND	ND	ND	ND	250	14	ND	ND	1,200	ND
Semivolatile Organic Compounds																
1,2-Dichlorobenzene	[370,160]	ND	5,800	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	4,162	ND
Phenol	[51,680]	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	1,108	ND

Note:

Concentrations in **bold** exceed the Acceptable Soil Concentrations as shown on Table 3-1 of the Revised Exhibit A.

Key:

[2,196] = Acceptable Soil Concentrations from Table 3-1 of the Revised Exhibit A.

ND = Not detected.

-- = Not analyzed due to insufficient sample volume.

TABLE 4

ANALYTICAL RESULTS AS COMPARED TO IDEM'S RCRA CLEAN CLOSURE CRITERIA¹SOUTHERN PAD AREA
ENVIRO-CHEM SITE
ZIONSVILLE, INDIANA

[Page 1 of 2]

Location		S01	S02	S03	S04	S05	S06	S07	S08	S09	S10	S11	S12	S13	S14	S15
Units		µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Volatile Organic Compounds																
Acetone	[41,000]	ND	120	ND	ND	ND	ND	ND	ND	ND	27	43	29	ND	ND	ND
1,1-Dichloroethene	[58]	ND	ND	ND	ND	790	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,700
1,2-Dichloroethene (Total)	[5,800]	6,200	22	14,000	1,800	6,900	1,400	ND	ND	ND	ND	ND	ND	58	21,000	44,000
Ethylbenzene	[200,000]	1,400	26	ND	ND	510	ND	ND	ND	ND	ND	ND	ND	ND	340	6,600
Methylene chloride	[1,800]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	720
Methyl ethyl ketone	[260,000]	2,700	28	2,500	2,600	3,100	2,600	ND	2,900	1,900	ND	ND	ND	ND	2,700	3,100
Methyl isobutyl ketone	TBD	ND	ND	ND	ND	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	[640]	ND	ND	ND	ND	2,700	ND	ND	ND	ND	ND	ND	ND	ND	ND	110,000
Toluene	[240,000]	730	10	ND	ND	24,000	ND	ND	ND	ND	ND	ND	ND	ND	2,700	19,000
1,1,1-Trichloroethane	[89,000]	3,100	ND	2,600	ND	43,000	ND	ND	ND	34,000	ND	ND	ND	16	530	580,000
1,1,2-Trichloroethane	[300]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	[3,000]	ND	ND	ND	ND	170,000	2,000	ND	830	ND	ND	ND	ND	8	ND	53,000
Vinyl chloride	[13]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (total)	[410,000]	5,100	66	ND	ND	1,100	ND	ND	ND	ND	ND	ND	ND	ND	1,400	32,000
Semivolatile Organic Compounds																
1,2-Dichlorobenzene	[260,000]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	6,500
Phenol	[320,000]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	ND	ND	ND

Note:

Concentrations in **bold** exceed IDEM's Interim Risk Integrated System of Closure, Tier 1 Commercial/Industrial Default Closure Levels.

Key:

IDEM = Indiana Department of Environmental Management.
 RCRA = Resource Conservation and Recovery Act.
 RISC = Risk Integrated System of Closure.
 [41,000] = IDEM's RISC Tier 1 Commercial/Industrial Default Closure Levels.
 TBD = To be determined by IDEM.
 ND = Not detected.
 -- = Not analyzed due to insufficient sample volume.

TABLE 4

ANALYTICAL RESULTS AS COMPARED TO IDEM'S RCRA CLEAN CLOSURE CRITERIA¹SOUTHERN PAD AREA
ENVIRO-CHEM SITE
ZIONSVILLE, INDIANA

[Page 2 of 2]

Location		S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
Units		µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Volatile Organic Compounds																
Acetone	[41,000]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,900	ND
1,1-Dichloroethene	[58]	910	1,400	ND	ND	ND	ND	ND	ND	ND	19	ND	ND	ND	52	ND
1,2-Dichloroethene (Total)	[5,800]	7,400	12,000	ND	10	10	ND	ND	ND	ND	1,000	24	24	8	2,200	ND
Ethylbenzene	[200,000]	ND	2,600	ND	ND	ND	ND	ND	ND	ND	62	7	ND	ND	370	ND
Methylene chloride	[1,800]	ND	1,700	ND	ND	ND	ND	3,800	ND	ND	75	ND	15	ND	3,700	ND
Methyl ethyl ketone	[260,000]	2,900	3,100	ND	ND	ND	ND	2,500	ND	ND	ND	ND	ND	ND	1,000	ND
Methyl isobutyl ketone	TBD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7	280	ND
Tetrachloroethene	[640]	3,400	27,000	ND	ND	ND	6	ND	ND	ND	ND	ND	7	10	3,100	ND
Toluene	[240,000]	1,800	8,500	ND	11	7	7	ND	ND	ND	790	16	ND	ND	250	ND
1,1,1-Trichloroethane	[89,000]	70,000	ND	ND	8	78	ND	ND	ND	ND	19	ND	31	6	2,600	ND
1,1,2-Trichloroethane	[300]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	98	ND
Trichloroethene	[3,000]	42,000	63,000	ND	ND	12	ND	ND	ND	ND	ND	ND	42	7	6,800	ND
Vinyl chloride	[13]	ND	ND	ND	ND	ND	ND	ND	ND	ND	70	ND	43	ND	ND	ND
Xylenes (total)	[410,000]	1,500	12,000	ND	ND	ND	ND	ND	ND	ND	250	14	ND	ND	1,200	ND
Semivolatile Organic Compounds																
1,2-Dichlorobenzene	[260,000]	ND	5,800	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	4,162	ND
Phenol	[320,000]	ND	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND	ND	1,108	ND

Note:

¹ Concentrations in **bold** exceed IDEM's Interim Risk Integrated System of Closure, Tier 1 Commercial/Industrial Default Closure Levels.

Key:

IDEM = Indiana Department of Environmental Management.

RCRA = Resource Conservation and Recovery Act.

RISC = Risk Integrated System of Closure.

[41,000] = IDEM's RISC Tier 1 Commercial/Industrial Default Closure Levels.

TBD = To be determined by IDEM.

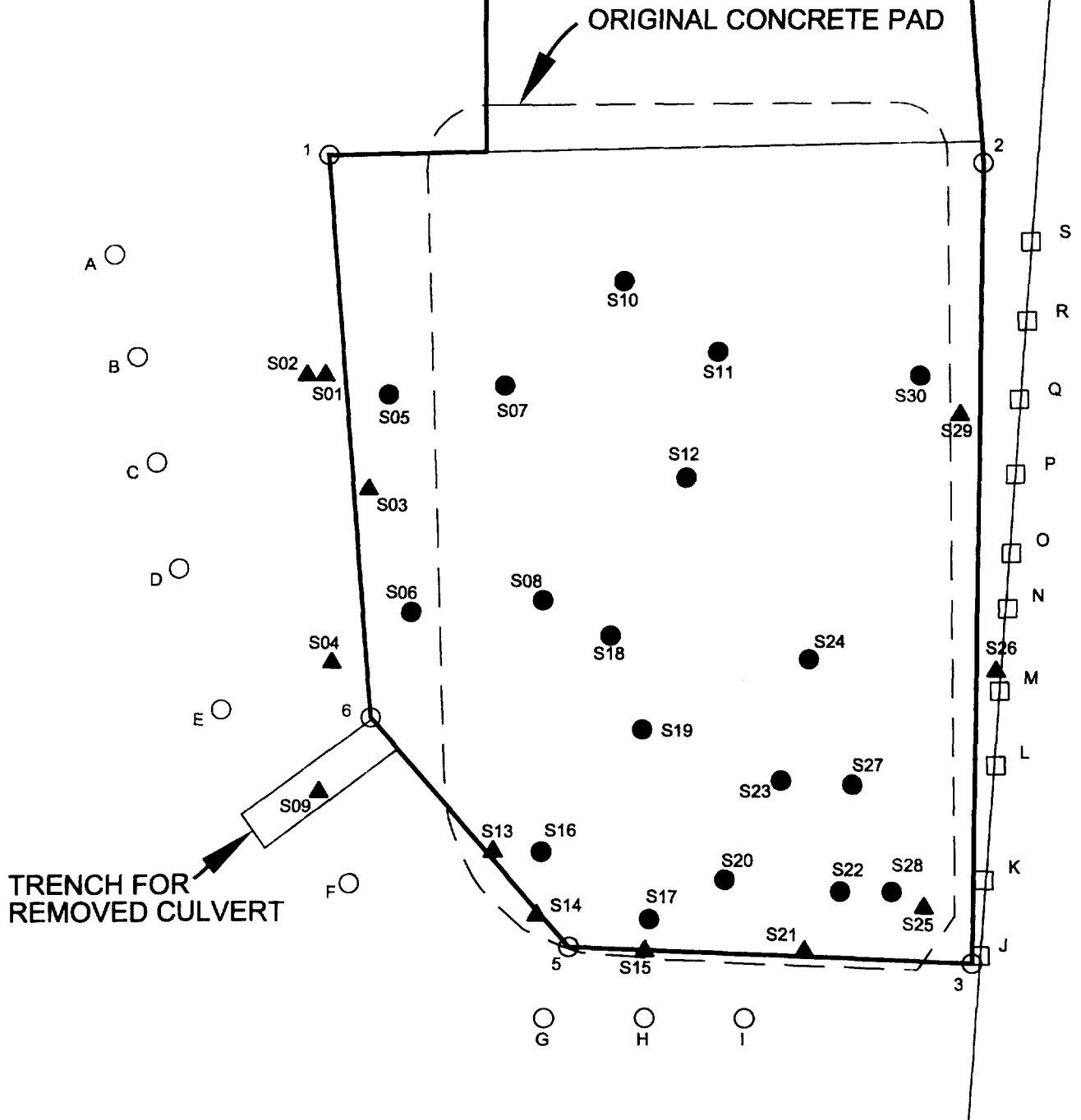
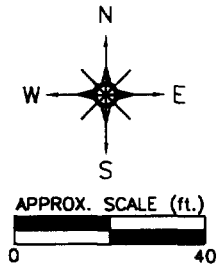
ND = Not detected.

-- = Not analyzed due to insufficient sample volume.

FIGURES

LEGEND

- BOTTOM SURFACE SOIL SAMPLE
- ▲ SIDEWALL SURFACE SOIL SAMPLE
- GALV. FENCE POST SURVEY REFERENCE POINT
- 5/8" REBAR SURVEY REFERENCE POINT



P:\Client Project Files\ECC\ACAD\SOUTHPAD1.dwg

ENVIRON

650 Dundee Road, Suite 150, Northbrook, IL 60062

**SOIL SAMPLE LOCATIONS
CONCRETE PAD AREA - ECC
ZIONSVILLE, INDIANA**

Figure

1

Drafter: BJM

Date: 4/12/99

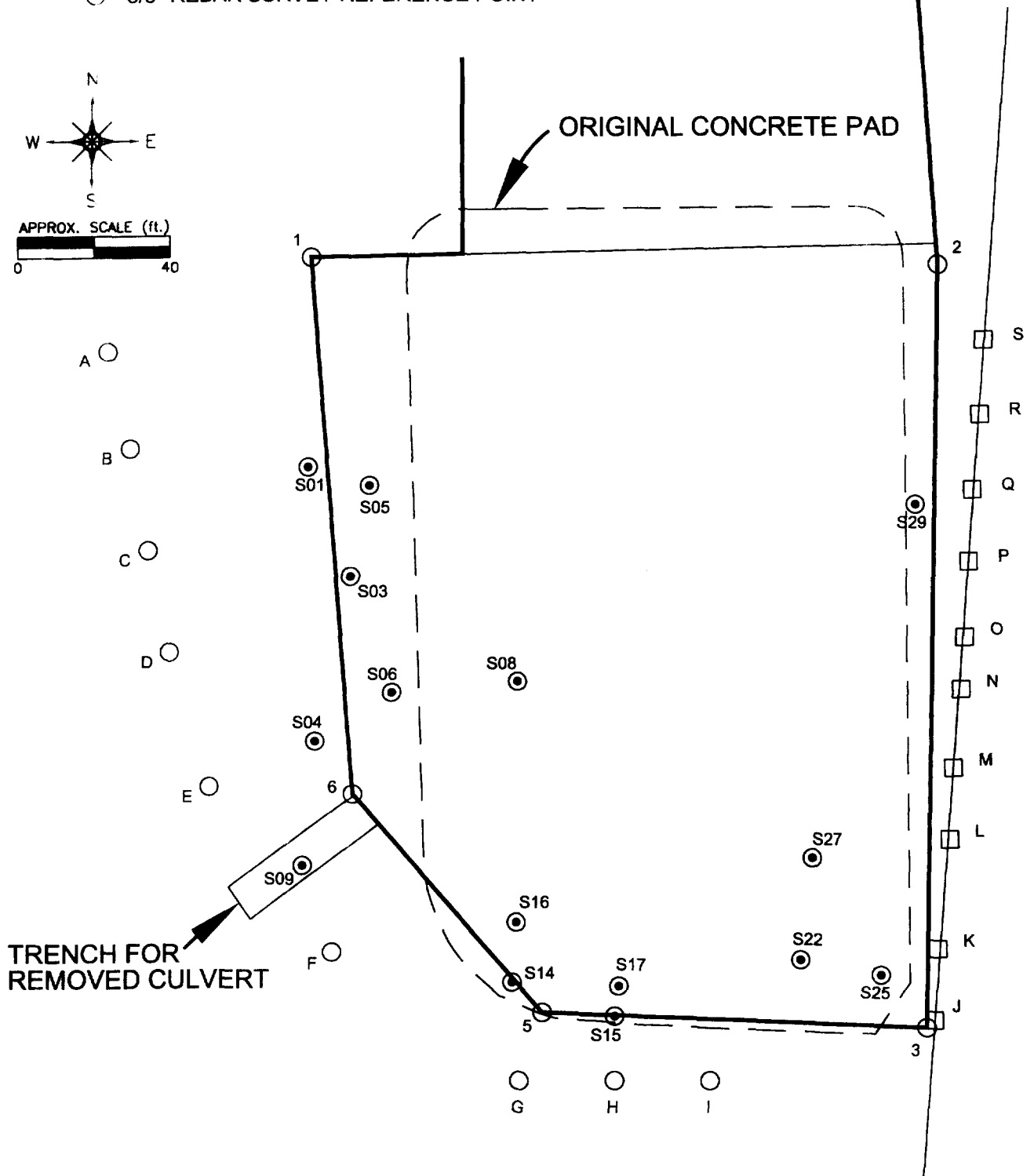
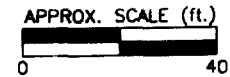
Contract Number:

21-6585A

Approved: REH

Revised:

☒ LOCATION EXCEEDING ACCEPTABLE SOIL CONCENTRATIONS
☐ GALV. FENCE POST SURVEY REFERENCE POINT
☐ 5/8" REBAR SURVEY REFERENCE POINT



P:\Client Project Files\ECC\ACAD\SouthPod2.dwg

650 Dundee Road, Suite 150, Northbrook, IL 60062

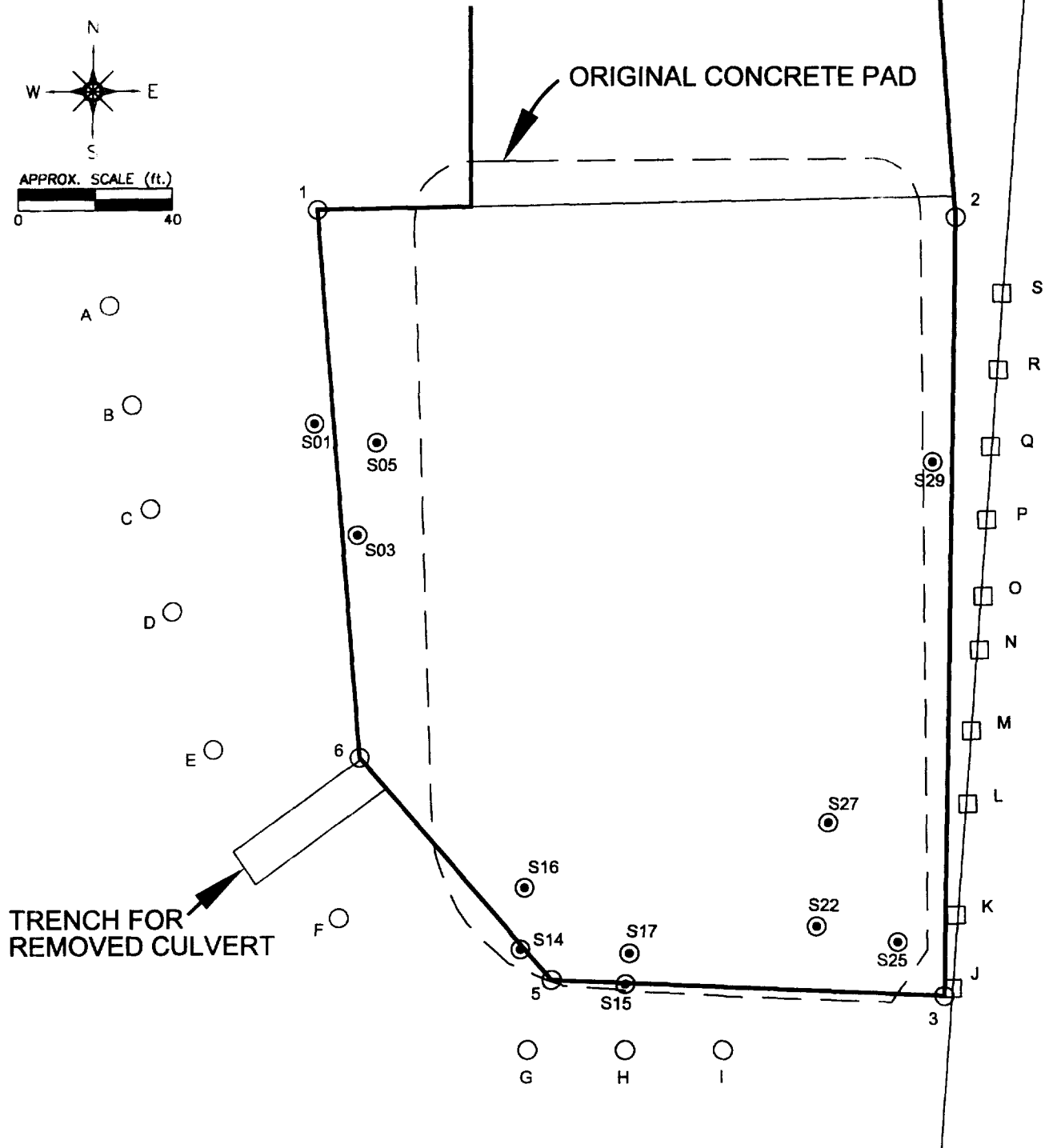
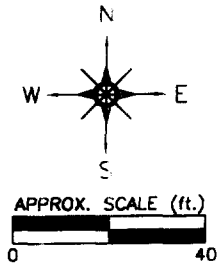
**LOCATIONS EXCEEDING ACCEPTABLE
SOIL CONCENTRATIONS
CONCRETE PAD AREA - ECC
ZIONSVILLE, INDIANA**

Figure
2

Revised:

LEGEND

- ⊙ LOCATION EXCEEDING THE IDEM INTERIM TIER 1
RISC COMMERCIAL/INDUSTRIAL CLOSURE LEVELS
- GALV. FENCE POST SURVEY
REFERENCE POINT
- 5/8" REBAR SURVEY REFERENCE POINT



P:\Client Project Files\ECC\ACAD\SouthPod3.dwg

ENVIRON

650 Dundee Road, Suite 150, Northbrook, IL 60062

LOCATIONS EXCEEDING THE IDEM INTERIM RISC
TIER 1 COMMERCIAL/INDUSTRIAL CLOSURE
LEVELS
CONCRETE PAD AREA - ECC
ZIONSVILLE, INDIANA

Figure
3

Drafter: BJM

Date: 4/12/99

Contract Number:

21-6585A

Approved: REH

Revised:

Attachment 1
Laboratory Analytical Results
Summary

LABORATORY ANALYTICAL RESULTS SUMMARY
SOUTHERN PAD AREA
ENVIRO-CHEM SITE
ZIONSVILLE, INDIANA

Sample ID:	980625-S01	980625-S02	980625-S03	980625-S04	980625-S05	980625-S06	980627-S07	980627-S08	980627-S09	980629-S010
Location:	S01	S02	S03	S04	S05	S06	S07	S08	S09	S10
Date Collected:	06/25/98	06/25/98	06/25/98	06/25/98	06/25/98	06/25/98	06/27/98	06/27/98	06/27/98	06/29/98
Units:	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Volatile Organic Compounds										
1,1,1-Trichloroethane	3,100	ND	2,600	ND	43,000	ND	ND	ND	34,000	ND
1,1,2,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	1,100	ND	6,700	ND	ND	1,400	18,000	ND
1,1-Dichloroethene	ND	ND	ND	ND	790	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene (Total)	6,200	22	14,000	1,800	6,900	1,400	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone	2,700	28	2,500	2,600	3,100	2,600	ND	2,900	1,900	ND
2-Chloroethylvinylether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isobutyl ketone	ND	ND	ND	ND	1,000	ND	ND	ND	ND	ND
Acetone	ND	120	ND	ND	ND	ND	ND	ND	ND	27
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorodibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	680	ND	700	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	6,100	ND	14,000	1,800	6,800	1,400	ND	ND	ND	ND
cis-1,2-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1,400	26	ND	ND	510	ND	ND	ND	ND	ND
m,p-Xylenes	3,100	40	ND	ND	1,100	ND	ND	ND	ND	ND
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene(s)	2,000	26	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	2,700	ND	ND	ND	ND	ND
Toluene	730	10	ND	ND	24,000	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	22	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	170,000	2,000	ND	830	ND	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (total)	5,100	66	ND	ND	1,100	ND	ND	ND	ND	ND
Semivolatile Organic Compounds										
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Diphenylhydrazine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenylphenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenylphenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic acid	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	400	ND	ND	ND	ND	ND	1,000	ND	ND
Butylbenzylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-Butyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-Octyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	ND	ND	ND	ND	6,000	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	2,600	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	580	ND	ND	ND	ND	ND
m,p-Cresols	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Key:
ND = Not detected.
- = Not analyzed due to insufficient sample volume.

LABORATORY ANALYTICAL RESULTS SUMMARY
SOUTHERN PAD AREA
ENVIRO-CHEM SITE
ZIONSVILLE, INDIANA

Sample ID:	980629-S011	980629-S012	980709-S013	980709-S014	980709-S015	980709-S016	980709-S017	980709-S018	980709-S019	980709-S020
Location:	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20
Date Collected:	06/29/98	06/29/98	07/09/98	07/09/98	07/09/98	07/09/98	07/09/98	07/09/98	07/09/98	07/09/98
Units:	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Volatile Organic Compounds										
1,1,1-Trichloroethane	ND	ND	16	530	580,000	70,000	ND	ND	8	78
1,1,2,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	19	1,400	11,000	2,100	9,600	ND	ND	7
1,1-Dichloroethene	ND	ND	ND	ND	5,700	910	1,400	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene (Total)	ND	ND	58	21,000	44,000	7,400	12,000	ND	10	10
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone	ND	ND	ND	2,700	3,100	2,900	3,100	ND	ND	ND
2-Chloroethylvinylether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isobutyl ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	43	29	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	560	420	480	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorodibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	480	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	58	21,000	40,000	6,300	11,000	ND	10	10
cis-1,2-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	340	6,600	ND	2,600	ND	ND	ND
m,p-Xylenes	ND	ND	ND	710	23,000	760	9,100	ND	ND	ND
Methylene chloride	ND	ND	ND	ND	720	ND	1,700	ND	ND	ND
o-Xylene(s)	ND	ND	ND	710	7,000	760	2,800	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	110,000	3,400	27,000	ND	ND	ND
Toluene	ND	ND	ND	2,700	19,000	1,800	8,500	ND	11	7
trans-1,2-Dichloroethene	ND	ND	ND	ND	860	830	430	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	8	ND	53,000	42,000	63,000	ND	ND	12
Trichlorofluoromethane	ND	ND	ND	6,400	11,000	39,000	3,300	ND	ND	ND
Vinyl acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (total)	ND	ND	ND	1,400	32,000	1,500	12,000	ND	ND	ND
Semivolatile Organic Compounds										
1,2,4-Trichlorobenzene	ND	--	ND	ND	ND	ND	ND	ND	ND	--
1,2-Dichlorobenzene	ND	--	ND	ND	6,500	ND	5,800	ND	ND	--
1,2-Diphenylhydrazine	ND	--	ND	ND	ND	ND	ND	ND	ND	--
1,3-Dichlorobenzene	ND	--	ND	ND	ND	ND	ND	ND	ND	--
1,4-Dichlorobenzene	ND	--	ND	ND	ND	ND	ND	ND	ND	--
2,4,5-Trichlorophenol	ND	--	ND	ND	ND	ND	ND	ND	ND	--
2,4,6-Trichlorophenol	ND	--	ND	ND	ND	ND	ND	ND	ND	--
2,4-Dichlorophenol	ND	--	ND	ND	ND	ND	ND	ND	ND	--
2,4-Dimethylphenol	ND	--	ND	ND	ND	ND	ND	ND	ND	--
2,4-Dinitrophenol	ND	--	ND	ND	ND	ND	ND	ND	ND	--
2,4-Dinitrotoluene	ND	--	ND	ND	ND	ND	ND	ND	ND	--
2,6-Dinitrotoluene	ND	--	ND	ND	ND	ND	ND	ND	ND	--
2-Chloronaphthalene	ND	--	ND	ND	ND	ND	ND	ND	ND	--
2-Chlorophenol	ND	--	ND	ND	ND	ND	ND	ND	ND	--
2-Methylnapthalene	ND	--	ND	ND	ND	ND	ND	ND	ND	--
2-Methylphenol	ND	--	ND	ND	ND	ND	ND	ND	ND	--
2-Nitroaniline	ND	--	ND	ND	ND	ND	ND	ND	ND	--
2-Nitrophenol	ND	--	ND	ND	ND	ND	ND	ND	ND	--
3,3'-Dichlorobenzidine	ND	--	ND	ND	ND	ND	ND	ND	ND	--
3-Nitroaniline	ND	--	ND	ND	ND	ND	ND	ND	ND	--
4,6-Dinitro-2-methylphenol	ND	--	ND	ND	ND	ND	ND	ND	ND	--
4-Bromophenylphenyl ether	ND	--	ND	ND	ND	ND	ND	ND	ND	--
4-Chloro-3-methylphenol	ND	--	ND	ND	ND	ND	ND	ND	ND	--
4-Chloroaniline	ND	--	ND	ND	ND	ND	ND	ND	ND	--
4-Chlorophenylphenyl ether	ND	--	ND	ND	ND	ND	ND	ND	ND	--
4-Nitroaniline	ND	--	ND	ND	ND	ND	ND	ND	ND	--
4-Nitrophenol	ND	--	ND	ND	ND	ND	ND	ND	ND	--
Acenaphthene	ND	--	ND	ND	ND	ND	ND	ND	ND	--
Acenaphthylene	ND	--	ND	ND	ND	ND	ND	ND	ND	--
Aniline	ND	--	ND	ND	ND	ND	ND	ND	ND	--
Anthracene	ND	--	ND	ND	ND	ND	ND	ND	ND	--
Benzo(a)anthracene	ND	--	ND	ND	ND	ND	ND	ND	ND	--
Benzo(a)pyrene	ND	--	ND	ND	ND	ND	ND	ND	ND	--
Benzo(b)fluoranthene	ND	--	ND	ND	ND	ND	ND	ND	ND	--
Benzo(g,h,i)perylene	ND	--	ND	ND	ND	ND	ND	ND	ND	--
Benzo(k)fluoranthene	ND	--	ND	ND	ND	ND	ND	ND	ND	--
Benzoic acid	ND	--	ND	ND	ND	ND	ND	ND	ND	--
Benzyl alcohol	ND	--	ND	ND	ND	ND	ND	ND	ND	--
bis(2-Chloroethoxy)methane	ND	--	ND	ND	ND	ND	ND	ND	ND	--
bis(2-Chloroethyl)ether	ND	--	ND	ND	ND	ND	ND	ND	ND	--
bis(2-Chloroisopropyl)ether	ND	--	ND	ND	ND	ND	ND	ND	ND	--
bis(2-Ethylhexyl)phthalate	ND	--	ND	ND	650	ND	3,400	ND	ND	--
Butylbenzylphthalate	ND	--	ND	ND	1,300	500	ND	ND	ND	--
Carbazole	ND	--	ND	ND	ND	ND	ND	ND	ND	--
Chrysene	ND	--	ND	ND	ND	ND	ND	ND	ND	--
di-n-Butyl phthalate	ND	--	ND	ND	ND	ND	ND	ND	ND	--
di-n-Octyl phthalate	ND	--	ND	ND	ND	ND	ND	ND	ND	--
Dibenz(a,h)anthracene	ND	--	ND	ND	ND	ND	ND	ND	ND	--
Dibenzofuran	ND	--	ND	ND	ND	ND	ND	ND	ND	--
Diethylphthalate	ND	--	ND	ND	ND	ND	ND	ND	ND	--
Dimethyl phthalate	ND	--	ND	ND	ND	ND	ND	ND	ND	--
Fluoranthene	ND	--	ND	ND	ND	ND	ND	ND	ND	--
Fluorene	ND	--	ND	ND	ND	ND	ND	ND	ND	--
Hexachlorobenzene	ND	--	ND	ND	ND	ND	ND	ND	ND	--
Hexachlorobutadiene	ND	--	ND	ND	ND	ND	ND	ND	ND	--
Hexachlorocyclopentadiene	ND	--	ND	ND	ND	ND	ND	ND	ND	--
Hexachloroethane	ND	--	ND	ND	ND	ND	ND	ND	ND	--
Indeno(1,2,3-cd)pyrene	ND	--	ND	ND	ND	ND	ND	ND	ND	--
Isophorone	ND	--	ND	ND	ND	ND	ND	ND	ND	--
m,p-Cresols	ND	--	ND	ND	ND	ND	ND	ND	ND	--
N-Nitroso-di-n-propylamine	ND	--	ND	ND	ND	ND	ND	ND	ND	--
N-Nitrosodiphenylamine	ND	--	ND	ND	ND	ND	ND	ND	ND	--
Naphthalene	ND	--	ND	ND	420	ND	ND	ND	ND	--
Nitrobenzene	ND	--	ND	ND	ND	ND	ND	ND	ND	--
Pentachlorophenol	ND	--	ND	ND	ND	ND	ND	ND	ND	--
Phenanthrene	ND	--	ND	ND	ND	ND	ND	ND	ND	--
Phenol	ND	--	ND	ND	ND	ND	ND	ND	ND	--
Pyrene	ND	--	ND	ND	ND	ND	ND	ND	ND	--

Key:

ND = Not detected.
-- = Not analyzed due to insufficient sample volume.

LABORATORY ANALYTICAL RESULTS SUMMARY
SOUTHERN PAD AREA
ENVIRO-CHEM SITE
ZIONSVILLE, INDIANA

Sample ID:	980715-S021	980715-S022	980715-S023	980715-S024	980729-S025	980729-S026	980729-S027	980729-S028	980729-S029	980729-S030
Location:	S21	S22	S23	S24	S25	S26	S27	S28	S29	S30
Date Collected:	07/15/98	07/15/98	07/15/98	07/15/98	07/29/98	07/29/98	07/29/98	07/29/98	07/29/98	07/29/98
Units:	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Volatile Organic Compounds										
1,1,1-Trichloroethane	ND	ND	ND	ND	19	ND	31	6	2,600	ND
1,1,2,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	98	ND
1,1-Dichloroethane	ND	ND	ND	ND	200	ND	5	88	590	ND
1,1-Dichloroethene	ND	ND	ND	ND	19	ND	ND	ND	52	ND
1,2-Dichloroethane	ND	ND	ND	ND	16	ND	ND	ND	320	ND
1,2-Dichloroethene (Total)	ND	ND	ND	ND	1,000	24	24	8	2,200	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl ethyl ketone	ND	2,500	ND	ND	ND	ND	ND	ND	1,000	ND
2-Chloroethylvinylether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl isobutyl ketone	ND	ND	ND	ND	ND	ND	ND	7	280	ND
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	1,900	ND
Benzene	ND	ND	ND	ND	6	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorodibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	140	190	28	32	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	320	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	1,000	ND	22	8	2,200	ND
cis-1,2-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	62	7	ND	ND	370	ND
m,p-Xylenes	ND	ND	ND	ND	170	9	ND	ND	920	ND
Methylene chloride	ND	3,800	ND	ND	75	ND	15	ND	3,700	ND
o-Xylene(s)	ND	ND	ND	ND	80	5	ND	ND	300	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	6	ND	ND	ND	ND	ND	7	10	3,100	ND
Toluene	7	ND	ND	ND	790	16	ND	ND	250	ND
trans-1,2-Dichloroethene	ND	ND	ND	ND	100	22	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	42	7	6,800	ND
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	5	ND	80	ND
Vinyl acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	70	ND	43	ND	ND	ND
Xylenes (total)	ND	ND	ND	ND	250	14	ND	ND	1,200	ND
Semivolatile Organic Compounds										
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	4,162	ND
1,2-Diphenylhydrazine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenylphenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenylphenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic acid	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	ND	ND	532	ND
Butylbenzylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-Butyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
di-n-Octyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	ND	ND	ND	ND	577	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m,p-Cresols	ND	ND	ND	ND	417	ND	ND	ND	ND	ND
N-Nitroso-di-n-propylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	ND	ND	ND	ND	ND	ND	ND	ND	1,108	ND
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Key

ND = Not detected.
-- = Not analyzed due to insufficient sample volume.